



WHAT CAN BE DONE

The Science and Education Committee urges parents, teachers, counsellors and policy makers to seek ways of changing the present situation:

- Discuss the issue with teachers and administrators, school trustees and politicians;
- Take a critical look at how boys and girls are raised;
- Take an active interest in Canada's scientific and technological achievements; and,
- Encourage girls to pursue careers in science, engineering and technology.



CANADA'S ECONOMIC FUTURE IS AT STAKE



FOR FURTHER INFORMATION . . .

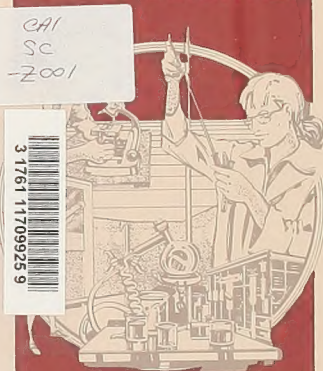
The proceedings of a Science and Education Committee workshop on this subject entitled, *Who Turns the Wheel?* is available free of charge from:

The Science Council of Canada,
Publications Office,
100 Metcalfe Street, 16th Floor,
Ottawa, Ontario,
K1P 5M1

Bulk copies of this brochure are available upon request.

WOMEN IN SCIENCE

AIM of the EIGHTIES



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Canadian women are needed urgently as:

**Engineers
Scientists
Technologists
Computer Professionals**

But few women have the education for these jobs

Science Council
of Canada



Canada



The science education of Canadian women is being examined by Council's Science and Education Committee, as part of a broader study of science education.

THE SKILLS SHORTAGE

The job market in Canada is changing at an alarming pace . . .

Much faster than the education and expectations of high school girls.

The result? Too few women become scientists, engineers or technologists.

Recent predictions are alarming:

- Canada will need 8000 engineers and PhD scientists by 1985; only half that number are likely to be available;
- 30 000 positions are open in the high tech industry even now; by the turn of the century . . . ?

THE SITUATION IN SCHOOLS

Many girls are dropping science and math as soon as these subjects become optional.

In consequence, very few women enrol in university science classes, and even fewer women become science professionals.



WHERE ARE THE GIRLS?

Research findings presented by the Science and Education Committee show that girls are dissuaded from careers in science and technology in many ways:

- Most parents encourage boys' mechanical inclinations and girls' domestic ones;
- In school, girls often receive less encouragement than boys to take science and math;
- Role models for girls are rarely scientists;
- Girls are seldom guided towards technical apprentice programs;
- Girls are frequently unaware of scientific and technical job opportunities;
- The mass media do little to change the pattern.



SOME FACTS OF LIFE IN CANADA TODAY

- Many Canadian families require two incomes;
- Over 80 per cent of women spend up to 30 years in the work force;
- On average, women earn 40 per cent less than men;
- Half of Canada's families with two wage earners bring home less than \$15 000 a year;
- Most women work in clerical, secretarial or unskilled jobs;
- Scientific and other technical jobs are challenging, well paid . . . and available!

